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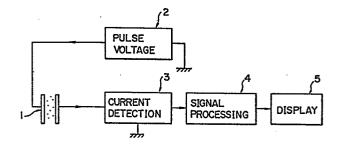
B Date of deferred publication of search report: 13.03.85 Bulletin 85/11 7) Applicant: KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO, 41-1, Aza Yokomichi Oaza Nagakute Nagakute-cho, Aichi-gun Aichi-ken, 480-11 (JP)

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Method and apparatus for evaluating the performance of dielectric substances.

(5) An apparatus for evaluating the performance of a dielectric substance includes: at least a pair of electrodes (1) disposed in contact with the dielectric substance to be measured; a power supply (2) for applying a pulse voltage to the electrodes (1); a current detector (3) for detecting a transient response current flowing between the electrodes dependent on the component of the dielectric substance disposed between the electrodes (1); and a signal processor (4) for evaluating the performance of the dielectric substance. The performance evaluation may be performed based on at least one of a peak value of the transient response current at a certain period of time, a difference between the peak value and a value at a fixed period of time after the peak value, and a ratio of the peak value to the difference between the two values. With this method and apparatus, the performance of the dielectric substance can quantitatively be evaluated.



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	DOCUMENTS CO	EP 84102243.7		
Category	Citation of document of	t with indication, where appropriate, relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci. 3)
A	DE - A - 2 120	5 709 (IMPERIAL CHEMICAL) Fig. 5 *	1	G 01 N 33/28
A		 + 861 (TOYOO YAMADA) -7; fig. 1-5 *	1	
A		2 332 (IMPERIAL CHEMICAL) Cig. 1-8 *	1	
A	GB - A - 1 418 * Totality	3 918 (REGIE NATIONALE)	1	
A	-	 ' 385 (RYKOSKEY)	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) G 01 N 27/00 G 01 N 33/00
A	<u>US - A - 4 007</u> * Abstract	629 (A.HOCHSTEIN) *	1	G 01 R 27/00
		s been drawn up for all claims		
	VIENNA	Date of completion of the search 21–11–1984		Examiner ERBER

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-writen disclosure
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